

COLEMAN PETROLEUM ENGINEERING COMPANY
110883, NEW MEXICO

MAY 23, 1963

AMERICAN MANHES CORPORATION
5TH AVENUE
NEW YORK 19, NEW YORK

ATTENTION: MR. PERRY BARNHAM

GENTLEMEN:

RE: DIRECTIONAL SURVEY
FLYING "M" STATE, No.1
UNDESIGNATED ATOKA
LEA COUNTY, NEW MEXICO

IN COMPLIANCE WITH YOUR INSTRUCTIONS A DIRECTIONAL SURVEY
WAS CONDUCTED IN THE REFERENCED WELL ON MAY 22, 1963. AN
EASTMAN DIRECTIONAL INSTRUMENT WAS USED AND THE RESULTS WERE
RECORDED AS FOLLOWS:

<u>SHOT NO.</u>	<u>DEPTH-FEET</u>	<u>DEVIATION-DEGREES</u>
1	9391	10
2	8875	10
3	8365	10
4	7850	10
5	7354	10
6	6857	10
7	6353	00
8	5852	10
9	5352	10
10	4856	10
11	4357	10
12	3860	10
13	3365	20
14	2867	10
15	2361	10
16	1869	30
17	1374	10
18	879	00
19	378	00

COLEMAN PETROLEUM ENGINEERING CO.

Joe A. Coleman
JOE A. COLEMAN

STATE OF NEW MEXICO

COUNTY OF... Lea

BEFORE ME, THE UNDERSIGNED AUTHORITY, A NOTARY PUBLIC IN
AND FOR SAID COUNTY AND STATE, CAME THIS DAY AND PERSONALLY
APPEARED... Joe A. Coleman.....WHO STATES ON OATH, THAT HE
IS THE DULY DESIGNATED REPRESENTATIVE OF... American Manhes Corp....
....., AND THAT THE INFORMATION CONTAINED WAS BY HIM
ACTUALLY DETERMINED BY TESTS AND THAT SAME IS TRUE AND CORRECT,
AND REPORTED HEREON IN ACCORDANCE WITH INSTRUCTIONS.

Joe A. Coleman
.....
SIGNATURE

SWORN TO AND SUBSCRIBED BEFORE ME BY... Joe A. Coleman.....
ON THIS THE ...23rd...DAY OF... May....., A.O. 196...63...

Barth S. Ritz
B. BARTH S. RITZ.....

My Commission Expires
April 28, 1964

NOTARY PUBLIC IN AND FOR... Lea.....
COUNTY, NEW MEXICO